



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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WASHINGTON D.C. 20554

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Report No. SES-02530

Wednesday January 4, 2023

Satellite Communications Services Information

re: Actions Taken

The Commission, by its International Bureau, took the following actions pursuant to delegated authority. The effective dates of the actions are the dates specified.

| | | | |
|-------------------------------|-----------|--------------------|----------------------------|
| SES-MOD-20210930-01676 | E E950056 | SES Americom, Inc. | |
| Application for Modification | | | 01/27/2020 - 01/27/2035 |
| Grant of Authority | | | Date Effective: 12/22/2022 |

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 157 KIMBLES RD., WAYNE, HAWLEY, PA
41 ° 27 ' 49.90 " N LAT.

75 ° 7 ' 48.40 " W LONG.

| ANTENNA ID: | 1 | 9 meters | ALPHA SATCOM | 9M TURNING HEAD |
|---------------------------|---------|-----------|---|-----------------|
| 5850.0000 - 6425.0000 MHz | 1M00F9D | 78.11 dBW | TT&C for SES-22 (S3138) condition 90715 | |
| 5850.0000 - 6425.0000 MHz | N0N | 54.13 dBW | CW CARRIER | |
| 5850.0000 - 6425.0000 MHz | 36M0G7W | 80.62 dBW | DIGITAL DATA | |
| 5850.0000 - 6425.0000 MHz | 3M72G7W | 80.61 dBW | DIGITAL DATA | |
| 5850.0000 - 6425.0000 MHz | 54M0G7W | 80.62 dBW | DIGITAL DATA | |
| 5850.0000 - 6425.0000 MHz | 72M0G7W | 80.63 dBW | DIGITAL DATA | |
| 5850.0000 - 6425.0000 MHz | 100KG7W | 64.91 dBW | DIGITAL DATA | |
| 3625.0000 - 4200.0000 MHz | N0N | | CW CARRIER | |

| | | |
|---------------------------|---------|--------------|
| 3625.0000 - 4200.0000 MHz | 36M0G7W | DIGITAL DATA |
| 3625.0000 - 4200.0000 MHz | 3M72G7W | DIGITAL DATA |
| 3625.0000 - 4200.0000 MHz | 54M0G7W | DIGITAL DATA |
| 3625.0000 - 4200.0000 MHz | 72M0G7W | DIGITAL DATA |
| 3625.0000 - 4200.0000 MHz | 100KG7W | DIGITAL DATA |

Points of Communication:

1 - PERMITTED LIST - ()

1 - SES-22 (S3138) - (135 W.L.)

SES-MOD-20220628-00713 E E090001 KVVH Industries, Inc.

Application for Modification

12/15/2009 - 12/15/2024

Grant of Authority

Date Effective: 12/29/2022

Class of Station: Earth Stations on-board Vessels/VSAT

Nature of Service: Fixed Satellite Service

SITE ID: ESV NET3

LOCATION: (MOBILE 1.0METER) (250 UNITS), CONUS, HI, AK USTERR

ANTENNA ID: ESV3 1 meters MELCO KU-MATE(SX-5300)

14000.0000 - 14500.0000 MHz 36M0G7D 49.00 dBW
DIRECT SEQUENCE SPREAD SPECTRUM (DSSS) TECHNIQUE USING A RANDOM ACCESS METHOD CALLED CODE REUSE MULTIPLE ACCESS (CRMA) TO ACCESS THE SATELLITE. DATA SERVICES.

14000.0000 - 14500.0000 MHz 27M0G7D 49.00 dBW
DIRECT SEQUENCE SPREAD SPECTRUM (DSSS) TECHNIQUE USING A RANDOM ACCESS METHOD CALLED CODE REUSE MULTIPLE ACCESS (CRMA) TO ACCESS THE SATELLITE. DATA SERVICES.

14000.0000 - 14500.0000 MHz 18M0G7D 49.00 dBW
DIRECT SEQUENCE SPREAD SPECTRUM (DSSS) TECHNIQUE USING A RANDOM ACCESS METHOD CALLED CODE REUSE MULTIPLE ACCESS (CRMA) TO ACCESS THE SATELLITE. DATA SERVICES.

11700.0000 - 12200.0000 MHz 36M0G7D
SPREAD OUTBOUND 10 MBPS CARRIER, DATA SERVICE

11700.0000 - 12200.0000 MHz 27M0G7D
SPREAD OUTBOUND 10 MBPS CARRIER, DATA SERVICE

| | | | |
|---|------------|----------------------|--|
| 11700.0000 - 12200.0000 MHz | 18M0G7D | | SPREAD OUTBOUND 10 MBPS CARRIER, DATA SERVICE |
| 11450.0000 - 11700.0000 MHz | 36M0G7D | | SPREAD OUTBOUND 10 MBPS CARRIER, DATA SERVICE |
| 11450.0000 - 11700.0000 MHz | 27M0G7D | | SPREAD OUTBOUND 10 MBPS CARRIER, DATA SERVICE |
| 11450.0000 - 11700.0000 MHz | 18M0G7D | | SPREAD OUTBOUND 10 MBPS CARRIER, DATA SERVICE |
| 10950.0000 - 11200.0000 MHz | 36M0G7D | | SPREAD OUTBOUND 10 MBPS CARRIER, DATA SERVICE |
| 10950.0000 - 11200.0000 MHz | 27M0G7D | | SPREAD OUTBOUND 10 MBPS CARRIER, DATA SERVICE |
| 10950.0000 - 11200.0000 MHz | 18M0G7D | | SPREAD OUTBOUND 10 MBPS CARRIER, DATA SERVICE |
| SITE ID: ESV NET1 | | | |
| LOCATION: (MOBILE 0.6METER) 3500 UNITS, CARIBBEAN AND COASTAL AREA, CONUS, GM | | | |
| ANTENNA ID: ESV1 | 0.6 meters | KVH INDUSTRIES, INC. | TRACPHONE V7 |
| 14000.0000 - 14500.0000 MHz | 36M0G7D | 42.40 dBW | DIRECT SEQUENCE SPREAD SPECTRUM (DSSS) TECHNIQUE USING A RANDOM ACCESS METHOD CALLED CODE REUSE MULTIPLE ACCESS (CRMA) TO ACCESS THE SATELLITE. DATA SERVICES. |
| 14000.0000 - 14500.0000 MHz | 18M0G7D | 42.40 dBW | DIRECT SEQUENCE SPREAD SPECTRUM (DSSS) TECHNIQUE USING A RANDOM ACCESS METHOD CALLED CODE REUSE MULTIPLE ACCESS (CRMA) TO ACCESS THE SATELLITE. DATA SERVICES. |
| 14000.0000 - 14500.0000 MHz | 27M0G7D | 42.40 dBW | SPREAD SPECTRUM CRMA OUTBOUND DATA SERVICES |
| 14000.0000 - 14500.0000 MHz | 1M80G7D | 41.15 dBW | DATA SERVICES |
| 11700.0000 - 12200.0000 MHz | 36M0G7D | | SPREAD SPECTRUM CRMA OUTBOUND DATA SERVICES |
| 11700.0000 - 12200.0000 MHz | 27M0G7D | | SPREAD SPECTRUM CRMA OUTBOUND DATA SERVICES |
| 11700.0000 - 12200.0000 MHz | 18M0G7D | | SPREAD SPECTRUM CRMA OUTBOUND DATA SERVICES |
| 11700.0000 - 12200.0000 MHz | 1M80G7D | | DATA SERVICES |

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|-----------------------------|---------|--|
| 11450.0000 - 11700.0000 MHz | 27M0G7D | SPREAD SPECTRUM CRMA OUTBOUND DATA SERVICES |
| 11450.0000 - 11700.0000 MHz | 1M80G7D | DATA SERVICES |
| 10950.0000 - 11200.0000 MHz | 27M0G7D | SPREAD SPECTRUM CRMA OUTBOUND DATA SERVICES |
| 10950.0000 - 11200.0000 MHz | 1M80G7D | DATA SERVICES |

SITE ID: ESV NET2
LOCATION: (MOBILE 0.37METER) 50 ENTERPRISE CENTER, VARIOUS (1000 UNITS)

| ANTENNA ID: | ESV2 | 0.37 meters | TRACPHONE | V3 |
|-----------------------------|---------|-------------|--|----|
| 14000.0000 - 14500.0000 MHz | 36M0G7D | 38.02 dBW | DIRECT SEQUENCE SPREAD SPECTRUM (DSSS) TECHNIQUE USING A RANDOM ACCESS METHOD CALLED CODE REUSE MULTIPLE ACCESS (CRMA) TO ACCESS THE SATELLITE. DATA SERVICES. | |
| 14000.0000 - 14500.0000 MHz | 27M0G7D | 38.02 dBW | DIRECT SEQUENCE SPREAD SPECTRUM (DSSS) TECHNIQUE USING A RANDOM ACCESS METHOD CALLED CODE REUSE MULTIPLE ACCESS (CRMA) TO ACCESS THE SATELLITE. DATA SERVICES. | |
| 14000.0000 - 14500.0000 MHz | 18M0G7D | 38.02 dBW | DIRECT SEQUENCE SPREAD SPECTRUM (DSSS) TECHNIQUE USING A RANDOM ACCESS METHOD CALLED CODE REUSE MULTIPLE ACCESS (CRMA) TO ACCESS THE SATELLITE. DATA SERVICES. | |
| 14000.0000 - 14500.0000 MHz | 6M87G7W | 38.02 dBW | Digital Data Services | |
| 11700.0000 - 12200.0000 MHz | 27M0G7D | | SPREAD SPECTRUM CRMA OUTBOUND DATA SERVICES | |
| 11700.0000 - 12200.0000 MHz | 36M0G7D | | DATA SERVICES | |
| 11700.0000 - 12200.0000 MHz | 18M0G7D | | DATA SERVICES | |
| 11700.0000 - 12200.0000 MHz | 5M00G7W | | Digital Data Services | |
| 11700.0000 - 12200.0000 MHz | 6M87G7W | | Digital Data Services | |
| 11450.0000 - 11700.0000 MHz | 27M0G7D | | SPREAD SPECTRUM CRMA OUTBOUND DATA SERVICES | |
| 11450.0000 - 11700.0000 MHz | 5M00G7W | | Digital Data Services | |
| 11450.0000 - 11700.0000 MHz | 6M87G7W | | Digital Data Services | |

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|---|----------|----------------|--|
| 10950.0000 - 11200.0000 MHz | 27M0G7D | | SPREAD SPECTRUM CRMA OUTBOUND DATA SERVICES |
| 10950.0000 - 11200.0000 MHz | 5M00G7W | | Digital Data Services |
| 10950.0000 - 11200.0000 MHz | 6M87G7W | | Digital Data Services |
| 14000.0000 - 14500.0000 MHz | 5M00G7W | 38.02 dBW | Digital Data Services |
| SITE ID: ESV NET4 | | | |
| LOCATION: (MOBILE 1.0METER) 50 ENTERPRISE CENTER, VARIOUS (500 UNITS) | | | |
| ANTENNA ID: ESV4 | 1 meters | KVH INDUDTRIES | TRACPHONE V11 |
| 14000.0000 - 14500.0000 MHz | 27M0G7D | 46.30 dBW | DIRECT SEQUENCE SPREAD SPECTRUM (DSSS) TECHNIQUE USING A RANDOM ACCESS METHOD CALLED CODE REUSE MULTIPLE ACCESS (CRMA) TO ACCESS THE SATELLITE. DATA SERVICES. |
| 14000.0000 - 14500.0000 MHz | 36M0G7D | 46.30 dBW | DIRECT SEQUENCE SPREAD SPECTRUM (DSSS) TECHNIQUE USING A RANDOM ACCESS METHOD CALLED CODE REUSE MULTIPLE ACCESS (CRMA) TO ACCESS THE SATELLITE. DATA SERVICES. |
| 14000.0000 - 14500.0000 MHz | 18M0G7D | 46.30 dBW | DIRECT SEQUENCE SPREAD SPECTRUM (DSSS) TECHNIQUE USING A RANDOM ACCESS METHOD CALLED CODE REUSE MULTIPLE ACCESS (CRMA) TO ACCESS THE SATELLITE. DATA SERVICES. |
| 14000.0000 - 14500.0000 MHz | 250KG7D | 36.94 dBW | Digital Data Services |
| 11700.0000 - 12200.0000 MHz | 36M0G7D | | SPREAD SPECTRUM CRMA OUTBOUND DATA SERVICES |
| 11700.0000 - 12200.0000 MHz | 27M0G7D | | SPREAD SPECTRUM CRMA OUTBOUND DATA SERVICES |
| 11700.0000 - 12200.0000 MHz | 18M0G7D | | SPREAD SPECTRUM CRMA OUTBOUND DATA SERVICES |
| 11700.0000 - 12200.0000 MHz | 250KG7D | | Digital Data Services |
| 11450.0000 - 11700.0000 MHz | 27M0G7D | | SPREAD SPECTRUM CRMA OUTBOUND DATA SERVICES |
| 11450.0000 - 11700.0000 MHz | 250KG7D | | Digital Data Services |
| 10950.0000 - 11200.0000 MHz | 27M0G7D | | SPREAD SPECTRUM CRMA OUTBOUND DATA SERVICES |

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|-----------------------------|------------------------|-------------|-----------|--|
| 10950.0000 - 11200.0000 MHz | | 250KG7D | | Digital Data Services |
| SITE ID: | ESV NET5 | | | |
| LOCATION: | (V30 0.37M. 5000UNITS) | | | |
| ANTENNA ID: | ESV NET5 | 0.37 meters | KVH | V30 |
| 14000.0000 - 14500.0000 MHz | | 36M0G7D | 36.95 dBW | DIRECT SEQUENCE SPREAD SPECTRUM (DSSS) TECHNIQUE USING A RANDOM ACCESS METHOD CALLED CODE REUSE MULTIPLE ACCESS (CRMA) TO ACCESS THE SATELLITE. DATA SERVICES. |
| 14000.0000 - 14500.0000 MHz | | 27M0G7D | 36.95 dBW | DIRECT SEQUENCE SPREAD SPECTRUM (DSSS) TECHNIQUE USING A RANDOM ACCESS METHOD CALLED CODE REUSE MULTIPLE ACCESS (CRMA) TO ACCESS THE SATELLITE. DATA SERVICES. |
| 14000.0000 - 14500.0000 MHz | | 18M0G7D | 36.95 dBW | DIRECT SEQUENCE SPREAD SPECTRUM (DSSS) TECHNIQUE USING A RANDOM ACCESS METHOD CALLED CODE REUSE MULTIPLE ACCESS (CRMA) TO ACCESS THE SATELLITE. DATA SERVICES. |
| 14000.0000 - 14500.0000 MHz | | 6M87G7W | 36.95 dBW | SPREAD SPECTRUM CRMA OUTBOUND DATA SERVICES |
| 11700.0000 - 12200.0000 MHz | | 36M0G7D | | Digital Data Services |
| 11700.0000 - 12200.0000 MHz | | 27M0G7D | | SPREAD SPECTRUM CRMA OUTBOUND DATA SERVICES |
| 11700.0000 - 12200.0000 MHz | | 250KG7D | | Digital Data Services |
| 11700.0000 - 12200.0000 MHz | | 6M87G7W | | Digital Data Services |
| 11700.0000 - 12200.0000 MHz | | 18M0G7D | | Digital Data Services |
| 11450.0000 - 11700.0000 MHz | | 27M0G7D | | SPREAD SPECTRUM CRMA OUTBOUND DATA SERVICES |
| 11450.0000 - 11700.0000 MHz | | 5M00G7W | | Digital Data Services |
| 11450.0000 - 11700.0000 MHz | | 250KG7D | | Digital Data Services |
| 11450.0000 - 11700.0000 MHz | | 6M87G7W | | Digital Data Services |
| 10950.0000 - 11200.0000 MHz | | 27M0G7D | | SPREAD SPECTRUM CRMA OUTBOUND DATA SERVICES |
| 10950.0000 - 11200.0000 MHz | | 5M00G7W | | Digital Data Services |

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| 10950.0000 - 11200.0000 MHz | 6M87G7W | | Digital Data Services |
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| SITE ID: | ESV NET6 |
| LOCATION: | (MOBILE 1.06M. 5000 UNITS) |

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| ANTENNA ID: | ESV NET6 | 1.06 meters | KVH | H90 |
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|-----------------------------|---------|-----------|-----------------------|
| 14000.0000 - 14500.0000 MHz | 7M50G7W | 49.10 dBW | Digital Data Services |
| 14000.0000 - 14500.0000 MHz | 500KG7W | 44.69 dBW | Digital Data Services |
| 14000.0000 - 14500.0000 MHz | 4M00G7W | 49.10 dBW | Digital Data Services |
| 14000.0000 - 14500.0000 MHz | 3M00G7W | 49.10 dBW | Digital Data Services |
| 14000.0000 - 14500.0000 MHz | 2M00G7W | 49.10 dBW | Digital Data Services |
| 14000.0000 - 14500.0000 MHz | 1M50G7W | 49.10 dBW | Digital Data Services |
| 14000.0000 - 14500.0000 MHz | 1M00G7W | 47.70 dBW | Digital Data Services |
| 14000.0000 - 14500.0000 MHz | 174KG7W | 40.10 dBW | Digital Data Services |
| 11700.0000 - 12200.0000 MHz | 54M0G7W | | Digital Data Services |
| 11700.0000 - 12200.0000 MHz | 36M0G7W | | Digital Data Services |
| 11700.0000 - 12200.0000 MHz | 1M00G7W | | Digital Data Services |
| 11700.0000 - 12200.0000 MHz | 18M0G7W | | Digital Data Services |
| 11450.0000 - 11700.0000 MHz | 54M0G7W | | Digital Data Services |
| 11450.0000 - 11700.0000 MHz | 36M0G7W | | Digital Data Services |
| 11450.0000 - 11700.0000 MHz | 1M00G7W | | Digital Data Services |
| 11450.0000 - 11700.0000 MHz | 18M0G7W | | Digital Data Services |
| 10950.0000 - 11200.0000 MHz | 54M0G7W | | Digital Data Services |
| 10950.0000 - 11200.0000 MHz | 36M0G7W | | Digital Data Services |
| 10950.0000 - 11200.0000 MHz | 1M00G7W | | Digital Data Services |
| 10950.0000 - 11200.0000 MHz | 18M0G7W | | Digital Data Services |

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| SITE ID: | ESV NET7 |
| LOCATION: | (MOBILE 0.6M. 5000 UNITS) |

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|-------------|----------|------------|-----|-----|
| ANTENNA ID: | ESV NET7 | 0.6 meters | KVH | H60 |
|-------------|----------|------------|-----|-----|

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|-----------------------------|---------|-----------|-----------------------|
| 14000.0000 - 14500.0000 MHz | 7M50G7W | 44.42 dBW | Digital Data Services |
| 14000.0000 - 14500.0000 MHz | 500KG7W | 37.01 dBW | Digital Data Services |
| 14000.0000 - 14500.0000 MHz | 4M00G7W | 44.42 dBW | Digital Data Services |
| 14000.0000 - 14500.0000 MHz | 3M00G7W | 44.42 dBW | Digital Data Services |
| 14000.0000 - 14500.0000 MHz | 2M00G7W | 43.03 dBW | Digital Data Services |
| 14000.0000 - 14500.0000 MHz | 1M50G7W | 41.78 dBW | Digital Data Services |
| 14000.0000 - 14500.0000 MHz | 1M00G7W | 40.02 dBW | Digital Data Services |
| 14000.0000 - 14500.0000 MHz | 174KG7W | 32.42 dBW | Digital Data Services |
| 11700.0000 - 12200.0000 MHz | 54M0G7W | | Digital Data Services |
| 11700.0000 - 12200.0000 MHz | 36M0G7W | | Digital Data Services |
| 11700.0000 - 12200.0000 MHz | 1M00G7W | | Digital Data Services |
| 11700.0000 - 12200.0000 MHz | 18M0G7W | | Digital Data Services |
| 11450.0000 - 12200.0000 MHz | 54M0G7W | | Digital Data Services |
| 11450.0000 - 11700.0000 MHz | 36M0G7W | | Digital Data Services |
| 11450.0000 - 11700.0000 MHz | 1M00G7W | | Digital Data Services |
| 11450.0000 - 11700.0000 MHz | 18M0G7W | | Digital Data Services |
| 10950.0000 - 11200.0000 MHz | 54M0G7W | | Digital Data Services |
| 10950.0000 - 11200.0000 MHz | 36M0G7W | | Digital Data Services |
| 10950.0000 - 11200.0000 MHz | 1M00G7W | | Digital Data Services |
| 10950.0000 - 11200.0000 MHz | 18M0G7W | | Digital Data Services |

Points of Communication:

ESV NET1 - EUTELSAT174A(S2610) - (174 E. L.)

ESV NET1 - PERMITTED LIST - ()

ESV NET2 - EUTELSAT174A(S2610) - (174 E. L.)

ESV NET2 - PERMITTED LIST - ()

ESV NET3 - EUTELSAT174A(S2610) - (174 E. L.)

ESV NET3 - TELSTAR 11N (S2357) - (37.5 W.L.)

ESV NET4 - EUTELSAT174A(S2610) - (174 E. L.)

ESV NET4 - PERMITTED LIST - ()

ESV NET4 - TELSTAR 11N (S2357) - (37.5 W.L.)

ESV NET5 - PERMITTED LIST - ()

ESV NET6 - PERMITTED LIST - ()

ESV NET7 - PERMITTED LIST - ()

SES-REG-20180919-04448 E E190789 Wausau TV License Company, LLC

Registration

09/19/2018 - 09/19/2033

Grant of Authority

Date Effective: 12/04/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Registration has been updated with a quantity change in Antenna ID 1, from 2 to 1, per registrant's request.

SITE ID: 1

LOCATION: WAOW Television 1908 Grand Ave., Marathon, Wausau, WI

44 ° 56 ' 15.00 " N LAT.

89 ° 37 ' 6.00 " W LONG.

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|-------------|---------------------------|------------|---------|------------------|
| ANTENNA ID: | 1 | 4.5 meters | Patriot | PRT-450AZ |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7F | Digital TV Video |
| | 3700.0000 - 4200.0000 MHz | | 36M0F3F | Analog TV Video |
| ANTENNA ID: | 2 | 4.5 meters | Patriot | PRT-450AZ |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7F | Digital TV Video |
| | 3700.0000 - 4200.0000 MHz | | 36M0F3F | Analog TV Video |
| ANTENNA ID: | 3 | 3.8 meters | Patriot | PRT-380AZ |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7F | Digital TV Video |
| | 3700.0000 - 4200.0000 MHz | | 36M0F3F | Analog TV Video |

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20221213-01336 E E070252 NBC Telemundo License LLC

Renewal

12/12/2022 - 12/12/2037

Grant of Authority

Date Effective: 01/03/2023

Class of Station: Temporary Fixed Earth Station

| | | | |
|-----------------------------|---------|-----------|---|
| 14000.0000 - 14500.0000 MHz | 36M0F3F | 76.00 dBW | ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS |
| 11700.0000 - 12200.0000 MHz | 36M0F3F | | VIDEO/AUDIO |
| 11700.0000 - 12200.0000 MHz | 24M0F9F | | VIDEO/AUDIO |
| 11700.0000 - 12200.0000 MHz | 36M0G7F | | DIGITAL VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS |
| 11700.0000 - 12200.0000 MHz | 36M0G7F | | ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS |

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20221220-01410 E E970447 Vyvx, LLC
Renewal 01/23/2023 - 01/23/2038
Grant of Authority Date Effective: 01/03/2023

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1802 BRIARCLIFF ROAD, DEKALB, ATLANTA, GA
33 ° 48 ' 25.40 " N LAT. 84 ° 20 ' 27.70 " W LONG.

ANTENNA ID: 1 9.2 meters COMSAT RSI 920C5

| | | | |
|---------------------------|---------|-----------|------------|
| 5925.0000 - 6425.0000 MHz | 8M00G7F | 74.60 dBW | DIGITAL TV |
| 5925.0000 - 6425.0000 MHz | 36M0F8F | 70.90 dBW | ANALOG TV |
| 3700.0000 - 4200.0000 MHz | 8M00G7F | | DIGITAL TV |
| 3700.0000 - 4200.0000 MHz | 36M0F8F | | ANALOG TV |

ANTENNA ID: 2 4.5 meters ES45MPJ

| | | | |
|---------------------------|---------|-----------|----------------------|
| 5925.0000 - 6425.0000 MHz | 24M0G7W | 67.96 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6425.0000 MHz | 36M0F8F | 64.10 dBW | ANALOG VIDEO CARRIER |
| 3700.0000 - 4200.0000 MHz | 24M0G7W | | DIGITAL TV |
| 3700.0000 - 4200.0000 MHz | 36M0F8F | | ANALOG TV |

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20221220-01411 E E070259 NBC Telemundo License LLC
Renewal 12/19/2022 - 12/19/2037
Grant of Authority Date Effective: 01/03/2023

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 4001 NEBRASKA AVENUE, NW, District of Columbia, WASHINGTON, DC
38 ° 56 ' 24.00 " N LAT. 77 ° 4 ' 53.40 " W LONG.

| | | | | |
|-------------|-----------------------------|------------|-----------|------------------------------------|
| ANTENNA ID: | ANT8 | 6.1 meters | VERTEX | 6.1 KPK |
| | 14000.0000 - 14500.0000 MHz | 36M0G7W | 78.07 dBW | PSK, Digital video, audio and data |
| | 11700.0000 - 12200.0000 MHz | 36M0G7W | | PSK, Digital video, audio and data |

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20221220-01412 E E080004 Spectrum Mid-America, LLC
Renewal 01/04/2023 - 01/04/2038
Grant of Authority Date Effective: 12/28/2022

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 9334 Dielman Industrial Drive, St. Louis, Olivette, MO
38 ° 40 ' 41.40 " N LAT. 90 ° 22 ' 29.20 " W LONG.

| | | | | |
|-------------|---------------------------|------------|--------|--------------------|
| ANTENNA ID: | 1 | 4.5 meters | SA | 8345 |
| | 3700.0000 - 4200.0000 MHz | 36M0G7W | | Video, Audio, Data |
| ANTENNA ID: | 2 | 4.5 meters | COMTEC | UNKNOWN |
| | 3700.0000 - 4200.0000 MHz | 36M0G7W | | Video, Audio, Data |

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20221222-01426 E E880108 Scripps Broadcasting Holdings LLC
Renewal 12/31/2022 - 12/31/2037
Grant of Authority Date Effective: 01/03/2023

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: CONUS, VARIOUS

| | | | | |
|-----------------------------|---|-------------|-----------|-------------------------|
| ANTENNA ID: | 1 | 1.25 meters | GD SATCOM | C125M |
| 14000.0000 - 14500.0000 MHz | | 36M0G7W | 63.40 dBW | DIGITAL VIDEO AND AUDIO |
| 14000.0000 - 14500.0000 MHz | | 2M00G7W | 56.40 dBW | DIGITAL VIDEO AND AUDIO |

Points of Communication:

1 - PERMITTED LIST - ()

| | | | | |
|-------------------------------|---|----------|----------------------|----------------------------|
| SES-STA-20221202-01312 | E | E000296, | Intelsat License LLC | |
| Special Temporary Authority | | | | |
| Grant of Authority | | | | Date Effective: 12/23/2022 |

Class of Station:

On December 23, 2022, Intelsat License LLC ("Intelsat") was granted an additional 30-day Special Temporary Authority ("STA"), commencing December 23, 2022 through January 21, 2023, to operate its Hagerstown, MD C-band earth station, to provide telemetry, tracking, and command (TT&C) services to the "Galaxy Replacement Fleet" during launch and early orbit phase (LEOP), in-orbit testing (IOT), and as they drift to their final orbital locations (see table below):

| Satellite | Call Sign | IOT Location | Orbital Location |
|------------|-----------|--------------|------------------|
| Galaxy 31S | S3076 | 148.95° W.L. | 121.0° W.L. |
| Galaxy 32S | S3078 | 149.05° W.L. | 91.0° W.L. |
| Galaxy 33S | S3015 | 133.0° W.L. | 133.0° W.L. |
| Galaxy 34S | S3083 | 147.95° W.L. | 129.0° W.L. |
| Galaxy 35S | S3143 | 150.05° W.L. | 95.15° W.L. |
| Galaxy 36S | S3148 | 149.95° W.L. | 89.0° W.L. |

STA operations are authorized in the 4000-4200 MHz (space-to-Earth) and 6415-6425 MHz frequency bands (Earth-to-space)

Points of Communication:

| | | | | |
|-------------------------------|---|---------|----------------------|----------------------------|
| SES-STA-20221205-01309 | E | E060384 | Intelsat License LLC | |
| Special Temporary Authority | | | | |
| Grant of Authority | | | | Date Effective: 12/23/2022 |

Class of Station:

On December 23, 2022, Intelsat License LLC ("Intelsat") was granted a 30-day Special Temporary Authority (STA), commencing December 23, 2022, through January 21, 2023, to use its Ku-band earth station, located in Nuevo, California, Call Sign E060384, to conduct in-orbit testing (IOT) with Galaxy 31 (S3076) in frequency bands 12.75-13.25 GHz and 13.75-14.5 GHz (Earth-to-space), and 10.7-11.2 GHz and 11.7-12.45 GHz (space-to-Earth).

Points of Communication:

| | | | | |
|-------------------------------|---|---------|--------------------------|----------------------------|
| SES-STA-20221215-01361 | E | E190859 | Swarm Technologies, Inc. | |
| Special Temporary Authority | | | | |
| Grant of Authority | | | | Date Effective: 12/28/2022 |

Class of Station:

On December 28, 2022, Swarm Technologies, Inc. ("Swarm") was granted 60-day Special Temporary Authority ("STA"), commencing December 28, 2022 to operate its earth station located in Wailuku, HI, to communicate with very-high frequency ("VHF") telemetry, tracking and command ("TT&C") beacons on non-geosynchronous orbit (NGSO) satellite constellation second generation ("Gen2") (Call Sign S3069). The STA operations shall be performed in the frequency bands 148-149.95 MHz (Earth-to-space) and 137-138 MHz (space-to-Earth).

Points of Communication:

SES-STA-20221215-01372 E E190858 Swarm Technologies, Inc.

Special Temporary Authority

Grant of Authority

Date Effective: 12/28/2022

Class of Station:

On December 28, 2022, Swarm Technologies, Inc. ("Swarm") was granted 60-day Special Temporary Authority ("STA"), commencing December 28, 2022 to operate its earth station located in Sussex, NJ, to communicate with very-high frequency ("VHF") telemetry, tracking and command ("TT&C") beacons on non-geosynchronous orbit (NGSO) satellite constellation second generation ("Gen2") (Call Sign S3069). The STA operations shall be performed in the frequency bands 148-149.95 MHz (Earth-to-space) and 137-138 MHz (space-to-Earth).

Points of Communication:

SES-STA-20221215-01374 E E191406 Swarm Technologies, Inc.

Special Temporary Authority

Grant of Authority

Date Effective: 12/28/2022

Class of Station:

On December 28, 2022, Swarm Technologies, Inc. ("Swarm") was granted 60-day Special Temporary Authority ("STA"), commencing December 28, 2022 to operate its earth station located in Piti, GU, to communicate with very-high frequency ("VHF") telemetry, tracking and command ("TT&C") beacons on non-geosynchronous orbit (NGSO) satellite constellation second generation ("Gen2") (Call Sign S3069). The STA operations shall be performed in the frequency bands 148-149.95 MHz (Earth-to-space) and 137-138 MHz (space-to-Earth).

Points of Communication:

SES-STA-20221215-01375 E E210061 Swarm Technologies, Inc.

Special Temporary Authority

Grant of Authority

Date Effective: 12/28/2022

Class of Station:

On December 28, 2022, Swarm Technologies, Inc. ("Swarm") was granted 60-day Special Temporary Authority ("STA"), commencing December 28, 2022 to operate its earth station located in Draper, UT, to communicate with very-high frequency ("VHF") telemetry, tracking and command ("TT&C") beacons on non-geosynchronous orbit (NGSO) satellite constellation second generation ("Gen2") (Call Sign S3069). The STA operations shall be performed in the frequency bands 148-149.95 MHz (Earth-to-space) and 137-138 MHz (space-to-Earth).

Points of Communication:

SES-STA-20221216-01398 E E210309 SpaceX Services, Inc.

Special Temporary Authority

Grant of Authority

Date Effective: 12/27/2022

Class of Station:

On December 27, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted 60-day Special Temporary Authority ("STA"), commencing December 27, 2022 through February 24, 2023, to communicate between its authorized next-generation earth stations in motion (ESIMs) and second-generation ("Gen2") non-geostationary orbit (NGSO) constellation (Call Sign S3069), soon to be launched by Space Exploration Holdings, LLC ("SpaceX"). The STA operations shall be performed in the frequency bands 14.0-14.5 GHz (Earth-to-space) and 10.7-12.7 GHz (space-to-Earth).

Points of Communication:

| | | | |
|-------------------------------|---|---------|----------------------------|
| SES-STA-20221216-01399 | E | E210310 | SpaceX Services, Inc. |
| Special Temporary Authority | | | |
| Grant of Authority | | | Date Effective: 12/27/2022 |

Class of Station:

On December 27, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted 60-day Special Temporary Authority ("STA"), commencing December 27, 2022 through February 24, 2023, to communicate between its authorized high performance ("HP") earth stations in motion (ESIMs) and second-generation ("Gen2") non-geostationary orbit (NGSO) constellation (Call Sign S3069), soon to be launched by Space Exploration Holdings, LLC ("SpaceX"). The STA operations shall be performed in the frequency bands 14.0-14.5 GHz (Earth-to-space) and 10.7-12.7 GHz (space-to-Earth).

Points of Communication:

| | | | |
|-------------------------------|---|---------|----------------------------|
| SES-STA-20221216-01401 | E | E190066 | SpaceX Services, Inc. |
| Special Temporary Authority | | | |
| Grant of Authority | | | Date Effective: 12/27/2022 |

Class of Station:

On December 27, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted 60-day Special Temporary Authority ("STA"), commencing December 27, 2022 through February 24, 2023, to communicate between its authorized first-generation fixed user terminal ("UT") earth stations located in the Contiguous United States, Alaska, Hawaii, and territories and possessions of the United States, and second-generation ("Gen2") non-geostationary orbit (NGSO) constellation (Call Sign S3069), soon to be launched by Space Exploration Holdings, LLC ("SpaceX"). The STA operations shall be performed in the frequency bands 14.0-14.5 GHz (Earth-to-space) and 10.7-12.7 GHz (space-to-Earth).

Points of Communication:

| | | | |
|-------------------------------|---|---------|----------------------------|
| SES-STA-20221216-01402 | E | E210127 | SpaceX Services, Inc. |
| Special Temporary Authority | | | |
| Grant of Authority | | | Date Effective: 12/27/2022 |

Class of Station:

On December 27, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted 60-day Special Temporary Authority ("STA"), commencing December 27, 2022 through February 24, 2023, to communicate between its authorized next-generation fixed user terminal ("UT") earth stations located in the Contiguous United States, Alaska, Hawaii, and territories and possessions of the United States, and the second-generation ("Gen2") non-geostationary orbit (NGSO) constellation (Call Sign S3069), soon to be launched by Space Exploration Holdings, LLC ("SpaceX"). The STA operations shall be performed in the frequency bands 14.0-14.5 GHz (Earth-to-space) and 10.7-12.7 GHz (space-to-Earth).

Points of Communication:

| | | | |
|-------------------------------|---|---------|----------------------------|
| SES-STA-20221216-01403 | E | E220009 | SpaceX Services, Inc. |
| Special Temporary Authority | | | |
| Grant of Authority | | | Date Effective: 12/27/2022 |

Class of Station:

On December 27, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted 60-day Special Temporary Authority ("STA"), commencing December 27, 2022 through February 24, 2023, to communicate between its authorized high performance fixed user terminal ("HP-UT") earth stations located in the Contiguous United States, Alaska, Hawaii, and territories and possessions of the United States, and second-generation ("Gen2") non-geostationary orbit (NGSO) constellation (Call Sign S3069), soon to be launched by Space Exploration Holdings, LLC ("SpaceX"). The STA operations shall be performed in the frequency bands 14.0-14.5 GHz (Earth-to-space) and 10.7-12.7 GHz (space-to-Earth).

Points of Communication:

SES-STA-20221220-01415 E L3HARRIS TECHNOLOGIES, INC.
Special Temporary Authority
Grant of Authority Date Effective: 01/03/2023

Class of Station:

On January 3, 2023, L3Harris Technologies, Inc. ("L3Harris"), was granted a 30-day Special Temporary Authority ("STA"), commencing January 3, 2023 through February 1, 2023 to operate its 2.4 meter temporary fixed C-band earth station at the FAA facility located in Collins, Ohio to support air traffic control. The antenna will communicate with geosynchronous orbit (GSO) satellite SES-2 (S2826). Operations will be performed at the following frequencies: 6355.7847-6355.8807 MHz (Earth-to-space) and 4130.7847-4130.8807 (space-to-Earth).

Points of Communication:

SES-STA-20221221-01419 E E210051 SpaceX Services, Inc.
Special Temporary Authority
Grant of Authority Date Effective: 12/27/2022

Class of Station:

On December 27, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted a 60-day STA, commencing December 28, 2022, through February 25, 2023, to test its Broadview, IL (AKA Chicago, IL) gateway earth station with non-geostationary orbit (NGSO) satellites (Call Signs S2983/S3018 and S3069) in frequency bands 27.5-29.1 GHz, 29.5-30.0 GHz (Earth-to-space), 17.8-18.6 GHz, and 18.8-19.3 GHz (space-to-Earth).

Points of Communication:

SES-STA-20221221-01420 E E201193 SpaceX Services, Inc.
Special Temporary Authority
Grant of Authority Date Effective: 12/27/2022

Class of Station:

On December 27, 2022, SpaceX Services, Inc. ("SpaceX Services") was granted a 60-day STA, commencing December 28, 2022, through February 25, 2023, to test its Arbuckle, CA gateway earth station with non-geostationary orbit (NGSO) satellites (Call Signs S2983/S3018 and S3069) in frequency bands 27.5-29.1 GHz, 29.5-30.0 GHz (Earth-to-space), 17.8-18.6 GHz, and 18.8-19.3 GHz (space-to-Earth).

Points of Communication:

SES-STA-20221227-01439 E Intelsat License LLC
Special Temporary Authority
Grant of Authority Date Effective: 01/03/2023

Class of Station:

On January 3, 2023, Intelsat License LLC ("Intelsat") was granted a 30-day Special Temporary Authority ("STA"), commencing January 3, 2023, through February 01, 2023, to operate a Starwin ESA50 0.13m flat-panel Ku-band antenna in McLean, Virginia, and in Mt. Prospect, Illinois, in order to test the antenna. The antenna will be used to communicate with Galaxy 11 (S2253), Galaxy 18 (S2733), SKY-B1 (S2922), and Intelsat 37e (S2972) in frequency bands 14200-14500 MHz (Earth-to-space), and 11700-12750 MHz (space-to-Earth).

Points of Communication:

SES-T/C-20221129-01346 E E090124 KATV Licensee, LLC

Application for Consent to Transfer of Control

Grant of Authority

Date Effective: 12/22/2022

Current Licensee: KATV Licensee, LLC

FROM: KATV Licensee, LLC

TO: Sinclair Broadcast Holdings I, Inc.

No. of Station(s) listed: 1

SES-T/C-20221130-01384 E E050266 WPEC Licensee, LLC

Application for Consent to Transfer of Control

Grant of Authority

Date Effective: 12/22/2022

Current Licensee: WPEC Licensee, LLC

FROM: WPEC Licensee, LLC

TO: Sinclair Broadcast Holdings I, Inc.

No. of Station(s) listed: 2

SES-T/C-20221130-01391 E E100025 WICS Licensee, LLC

Application for Consent to Transfer of Control

Grant of Authority

Date Effective: 12/22/2022

Current Licensee: WICS Licensee, LLC

FROM: WICS Licensee, LLC

TO: Sinclair Broadcast Holdings I, Inc.

No. of Station(s) listed: 1

Dismissal

SES-STA-20220630-00714 E090001 KVH Industries, Inc.

This STA request is being dismissed as moot. Due to the underlying Mod. application SES-MOD-20220628-00713 was granted December 29, 2022.

SURRENDER

SES-REG-20181012-05451 E200156 Giant Communications, Inc.

Registration surrendered by letter filed on 12/16/2022

SES-RWL-20091216-01586 E900028 Alascom, Inc.

License surrendered by letter filed on 12/15/2022

SES-RWL-20111012-01218 E010253 Alascom, Inc.

License surrendered by letter filed on 12/15/2022

SES-RWL-20120413-00368 E920274 Alascom, Inc.

License surrendered by letter filed on 12/15/2022

SES-RWL-20170727-00824 E4715 Alascom, Inc.

License surrendered by letter filed on 12/15/2022

SES-RWL-20170828-00957 E020212 Alascom, Inc.

License surrendered by letter filed on 12/15/2022

SES-RWL-20170921-01044 E020280 Alascom, Inc.

License surrendered by letter filed on 12/15/2022

SES-RWL-20170921-01045 E020267 Alascom, Inc.

License surrendered by letter filed on 12/15/2022

SES-RWL-20190916-01160 E940496 Alascom, Inc.

License surrendered by letter filed on 12/15/2022

SES-RWL-20191205-01638 E8190 TEGNA Broadcast Holdings, LLC

Registration surrendered by letter filed on 12/19/2022

SURRENDER**SES-RWL-20200109-00022** KB45 Alascom, Inc.

License surrendered by letter filed on 12/15/2022

SES-RWL-20200609-00611 E050234 Alascom, Inc.

License surrendered by letter filed on 12/15/2022

SES-RWL-20200609-00612 E050233 Alascom, Inc.

License surrendered by letter filed on 12/15/2022

For more information concerning this Notice, contact the Satellite Division at 418-0719.